

**AMENDMENTS TO THE CLAIMS:**

This listing of claims will replace all prior versions, and listings, of claims in the application.

**LISTING OF CLAIMS:**

1-35. (Canceled)

36. (Original) A circuit, comprising a filter circuit coupled to receive a sequence of predetermined signals from a first and a second remote antenna, wherein the sequence of predetermined signals comprises a code sequence, and wherein a first shift of the code sequence corresponds to the first remote antenna and a second shift of the code sequence corresponds to the second remote antenna, the filter circuit producing an output signal in response to the data signals.

37. (Original) A circuit as in claim 36, wherein the predetermined signals comprise a midamble.

38. (Original) A circuit as in claim 36, wherein said each respective shift of a code of the predetermined signals is a respective shifted sample of a code sequence.

39. (Canceled)